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### EXPLOYED IN TAX PROSE

EN ELICHIM, METAL, RECOVERED IN THE MANDELL OF THE CONCO,
SERVICE CALLING SELLEVED TO BE AN ENLICHMENTED FROM CONFECT
AND AN ENLICH (COUNTRY UNITERATED) (U. 1997)

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SECTION I. T(C) FIFESIA (U

I. (C) The purpose of this report is a passed the results of the exploitation of a patalic is purity reserved the town of the corp. Frag = secovery was the result of a ground-level search which was conficued after an imidentified flying object exploded and fell to earth in the area. The sighting and recovery took place sometime between 10 and 15 October 1965. Coher than a reported east-towest direction of flight for the UTO, apacific observation and recovery details are lacking.

## SECTION II. (C) Description (1)

of importance unknown. However, the apparers of the fragment indiented exposure to high temperatures prior in their (articles)

fract of the specimen had little or no effect to its limit endicion for
apparers. The fragment velocity indicates and appeared to have

and side views of the specimen were funded and appeared to have

and side views of the specimen were funded and appeared to have

and allowed by hearing and malaing. This is illustrated in Figure 1

and 2. The to chapte groove, which is figure 1, is the cuties of an insert of sheet that differs account in Figure 2.

MEGRADED UNCLASSIFIED ON 1.0 FEB. 1802 BY CORLUSARISE ON FOURO AUTHERISE 1 603 DOD 5200.18

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g the major and of the frament

- (C) The fragment was originally promoted an component and could be identified as a manufacture, generator or associated electrical regula The side of device.
- 4. (C) The fragment was paretriated . 10-inch thick silicon Eliferation (Africanos, a graphy artistic from the fill and the fill a The steel laminate stacked on a contral sold steel core or shaft.
  - 5. (C) Macerials, processes, disensions, etc., as such, prevent Tecernization of exect origin (country).
- 6. (C) Surface appearance and microstructure of the specimen indicates exposure to temperatures in excess of 2550° Y.
- density closely approximate a factor of the competitions of the competitions of the competitions and the competitions of the c errese of 2510 %. While there ere no indirections of importable to flowed metal, as shown in Figures 4 and 7, would substantiate the conclusion that the frem was moving at a big velocity when it was bot.

  2. (C) Fabrication of the frem was additional utilizing more of
  - For less standard procedures for febricating electric motor armatures. Armsture laminates were stamped (punched) from approximately 1012-inch 3011. The Control of the Co heer steel, copparplaced, and assembled on a mild steel shate with him Approximately .405 inches in diameter. Tolinging assembly, the were joined by solid-visio or illimion-bonding of the

placing. This can be accomplished by rightly competing the laminate assembly and heating in a furnance. Temperature required for bonding of the copper depends upon the degree compets on or pressure; the higher pressures requiring proportion tely laws competatures.

9. (C) A cross-section (trisports to length of the specimen) is shown in Figure 3. The light-colored, it lies are the edges of individual isminates, caused by caring a line angle to, instead of parallel to, the laminates as that relight fins or petalm are "I" shaped. This shape is used to help winding wire in place and is found on high RM motors. The nelted similation of some of the "I's" is indicative of the high heating conditions experienced. The outer surface of the armature shaft is serreted to prevent exist a suppage of the laminates.

is clearly illustrated in Figure 5. The specimen landauer on the fin at the top of the photograph is the more median and clearing of the copperplating during the big important the fin at the fine of the copperplating during the big important the fine and the specimen. Some of the copper to been retained in at the specimen. Some of the copper to been retained in at the specimen of the photograph.

11. (C) Another result of Linear Locating was the polarity grade size of the stead lambda was already and the combine arm of the lambda character of t

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AUTH PART 1 608 DOD 5200 IR

intense heat and then cooled at a comparatively alow rate.

gramma property in the content of th 7 12. (C) The light material between the orthogona in Figure is placed copper that policed and flowed between the laminations when the entire specimen was hot. A photomicrogram of this is shown in Figure 11.

IJ. (C) Analysis of the dait disclusion to following:

Eleant (Selent)

Carbon and 

Nolybean Table 1 less than 0.01

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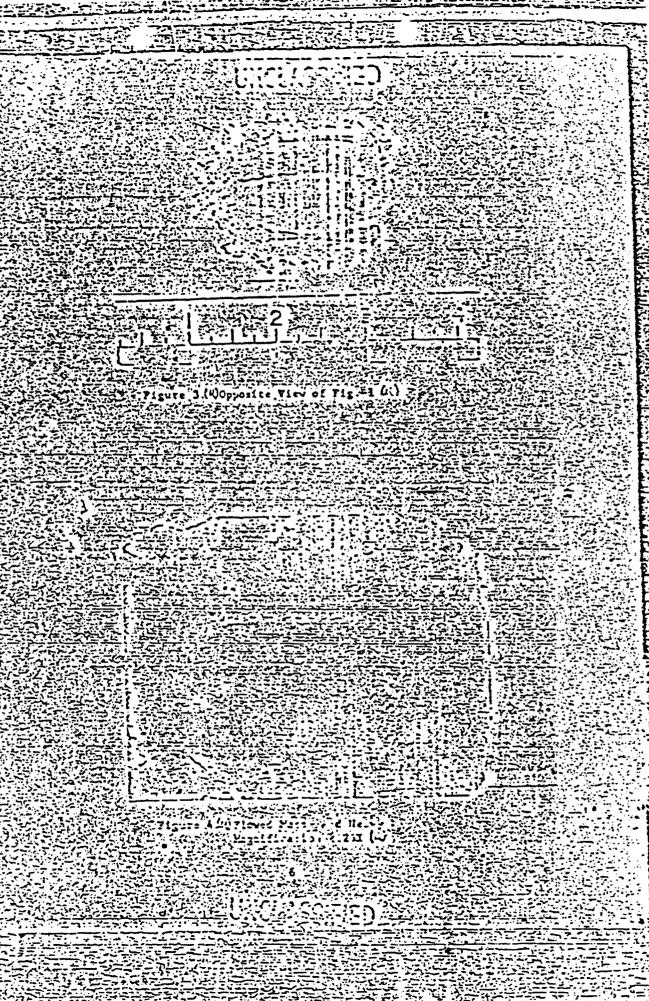
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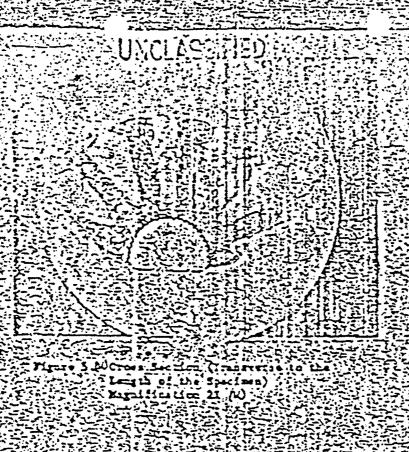
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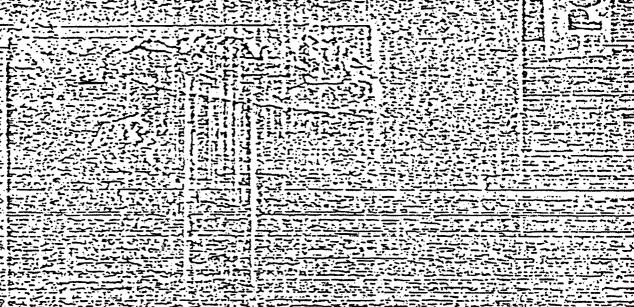
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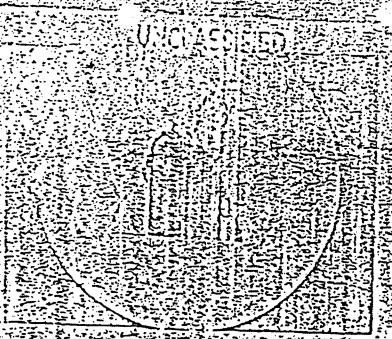
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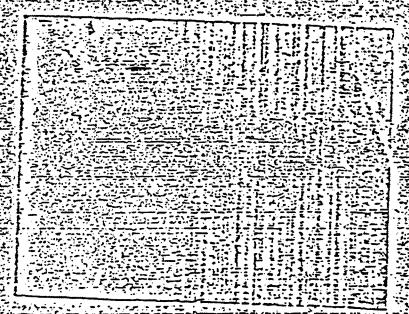






Pigare 7. Whereagraph Cross-Section of the Lealmand Area

Magnification 2.75% 60 cm - ===



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Figure 9 (A) 1 -- Communication of the second secon

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